

# Nimesha Ranasinghe (Ph. D.)

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## Objective

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Interested in a Research position or Faculty Position on Ubiquitous Computing, Wearable Computing, Human-computer interaction, or Augmented Reality

## Research

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<http://research.nimesha.info/>

### Digital Taste, Digital Lollipop

**Dec 2010-present**

Digitally simulating the sensation of taste through electrical and thermal stimulation on the human tongue

### Petimo

**2008-2010**

A social-networking soft robotic companion for children to enhance physical social interactions

### Poetry Mix-up

**2008-2011**

Electronic poetry generation through SMS and Natural Language Processing

### Witz Alive AR

**2010**

Interactive Augmented reality application for children based on a preschool show, WITZ

## Education

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<http://myself.nimesha.info/>

### Doctor of Philosophy (Ph.D.)

**2008 – 2013**

Ph.D. in Electrical and Computer Engineering (Signal processing and new media), Faculty of Engineering, National University of Singapore.

### B. Sc. (Honors)

**2003-2007**

B. Sc. (Hons) in Information Technology, Faculty of Information Technology, University of Moratuwa, Sri Lanka.

## Skills

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**Hardware** – PIC, Atmel, Arduino, digital circuit design, PCB design, firmware development, 3D printing

**Software** – C/C++, Java, Python, .NET framework (C#, C++), XML, Android development, MySQL, MsSQL

## Achievements

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<http://publications.nimesha.info/>

**Featured in NewScientist, Discovery news, New York Times, Times magazine, Gizmodo, Daily Telegraph, etc.**

Digital Lollipop selected as one of the **10 best Innovations in 2014 by netexplo forum at UNESCO**

**Honorable mention at Nokia Ubimedia MindTrek Awards 2012 Competition** for Digital Taste Synthesizer, Tampere, Finland, Oct 2012 (**Invited Talk**)

**YoungCT award 2009** at the Young Investigators' Forum in Korea, Jan 2010 (**Invited Talk**)

**First prize for Petimo at InventiON**, International Innovation Competition in Milan, Italy (Apr 2010)